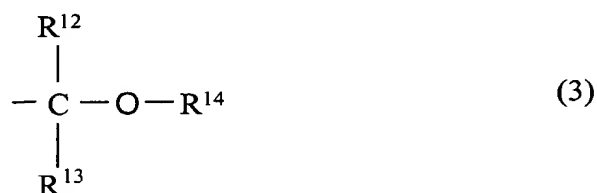


wherein R is a hydroxyl group or a OR³ group, R¹ is hydrogen or methyl, R² is a straight, branched or cyclic alkyl group of 1 to 8 carbon atoms, R³ is a group of the following formula

(3)

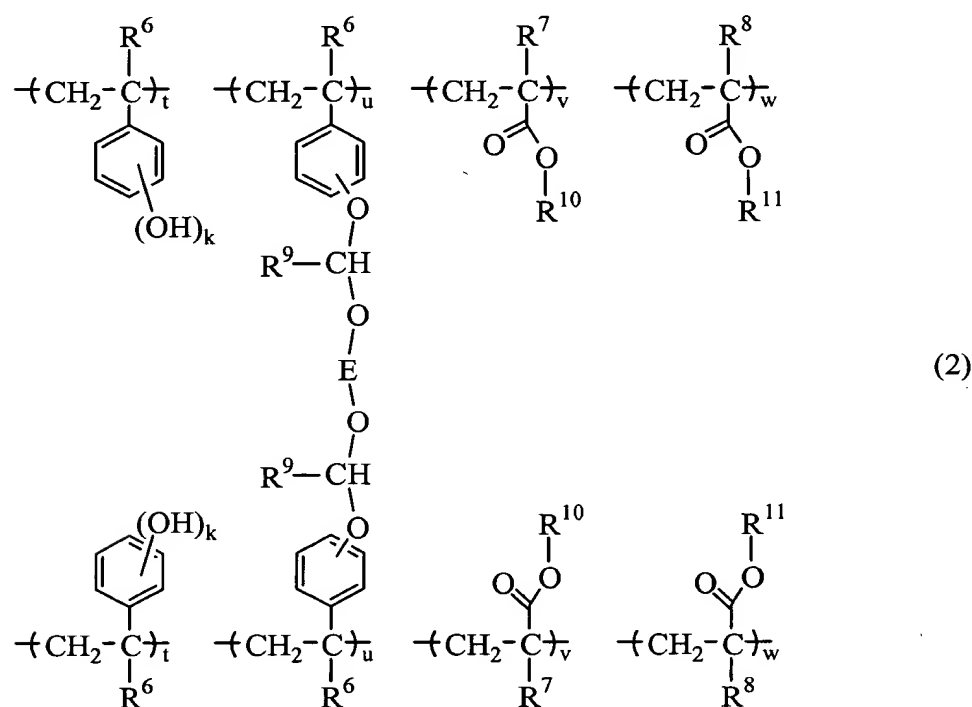


wherein, R¹² and R¹³ are independently hydrogen or straight, branched or cyclic alkyl groups of 1 to 18 carbon atoms,

R¹⁴ is a monovalent hydrocarbon group of 1 to 18 carbon atoms which optionally has a hetero atom and optionally has one or more hydrogen atoms replaced by hydroxyl, alkoxy, oxo, amino or alkylamino groups,

alternatively, a pair of R^{12} and R^{13} , a pair of R^{12} and R^{14} , or a pair of R^{13} and R^{14} , taken together, form a ring in which the pair together is a straight or branched alkylene group of 1 to 18 carbon atoms,

R^4 is an acid labile group, R^5 is methyl or ethyl, Z is a straight, branched or cyclic alkylene group of 1 to 10 carbon atoms, x is 0 or a positive integer, y is a positive integer, satisfying $x+y \leq 5$, m is 0 or a positive integer, n is a positive integer, satisfying $m+n \leq 5$, q is a positive number, p, r and s each are 0 or a positive number, satisfying $p+q+r+s = 1$,



wherein R^6 , R^7 and R^8 each are hydrogen or methyl, R^9 is methyl or ethyl, E is a straight, branched or cyclic alkylene group of 1 to 10 carbon atoms, R^{10} is a straight, branched or cyclic alkyl group of 1 to 20 carbon atoms, which may contain an oxygen or sulfur atom, R^{11} is a tertiary alkyl group of 1 to 20 carbon atoms, k is 0 or a positive integer of up to 5, t and w each are a positive number, u and v each are 0 or a positive number, either one of u and v is not equal to 0, satisfying $t+u+v+w = 1$.

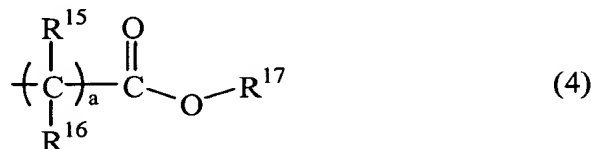
5. (Amended) The composition of claim 1, wherein in formula (1), the acid labile group R^4 is selected from the group consisting of:

branched or cyclic, tertiary alkyl groups with 4 to 20 carbon atoms;

trialkylsilyl groups whose alkyl groups each have 1 to 6 carbon atoms;

oxoalkyl groups of 4 to 20 carbon atoms; and,

groups of the following formulae (3) and (4):



wherein,

R^{12} and R^{13} are independently hydrogen or straight, branched or cyclic alkyl groups of 1 to 18 carbon atoms,

R^{14} is a monovalent hydrocarbon group of 1 to 18 carbon atoms, which may have a hetero atom and in which some hydrogen atoms are replaced by hydroxyl, alkoxy, oxo, amino or alkylamino groups,

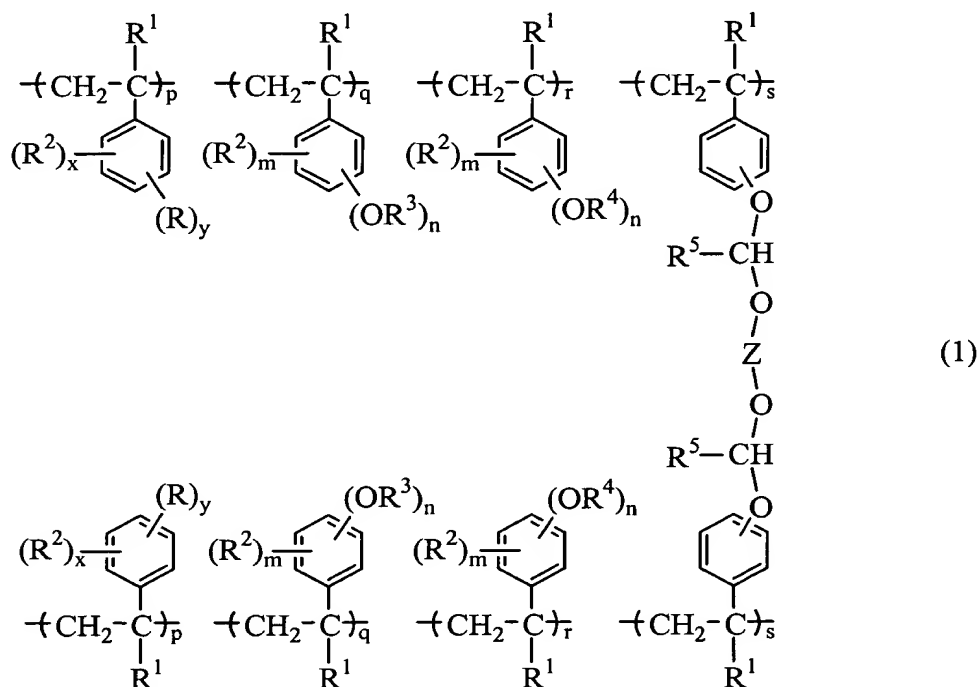
alternatively, a pair of R^{12} and R^{13} , a pair of R^{12} and R^{14} , or a pair of R^{13} and R^{14} , taken together, may form a ring, in which the pair is a straight or branched alkylene group of 1 to 18 carbon atoms.

R^{15} and R^{16} independently have the same definition as R^{12} and R^{13} ,

R^{17} is a straight, branched or cyclic alkyl group of 4 to 40 carbon atoms, a trialkylsilyl group whose alkyl groups each have 1 to 6 carbon atoms, or oxoalkyl group of 4 to 20 carbon atoms, and

the letter a is an integer of 0 to 6.

9. (Amended) A chemical amplification type resist composition comprising a polymeric mixture of a polymer comprising recurring units of the general formula (1) and having a weight average molecular weight of 1,000 to 500,000 and a polymer comprising recurring units of the general formula (2) and having a weight average molecular weight of 1,000 to 500,000,



wherein R is a hydroxyl group or a OR³ group, R¹ is hydrogen or methyl, R² is a straight, branched or cyclic alkyl group of 1 to 8 carbon atoms, R³ is a group of the following formula

(3)

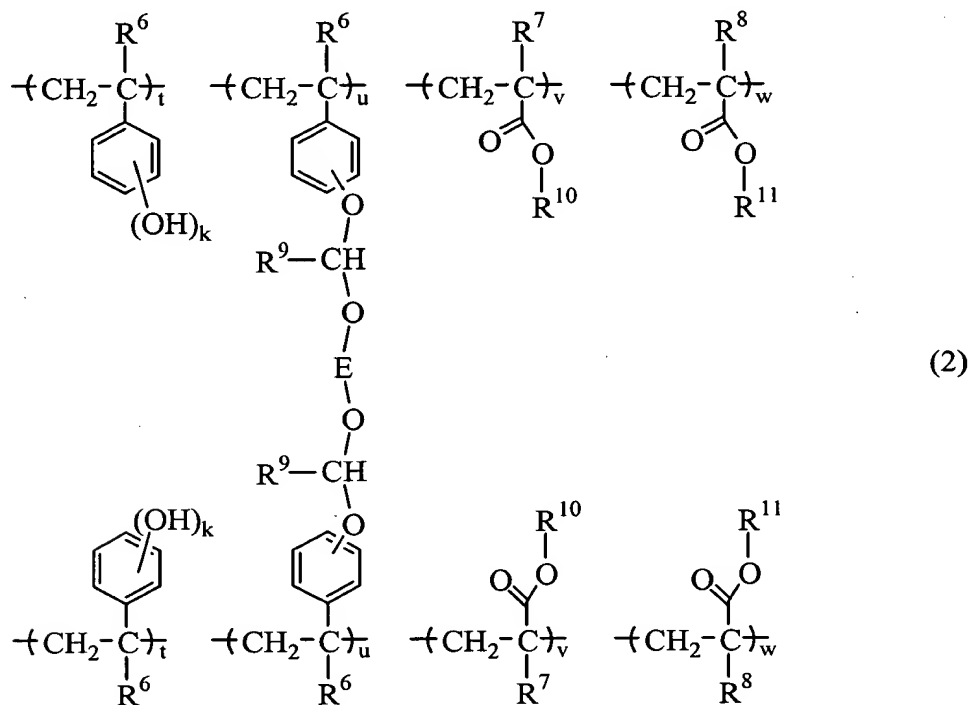


wherein, R¹² and R¹³ are independently hydrogen or straight, branched or cyclic alkyl groups of 1 to 18 carbon atoms,

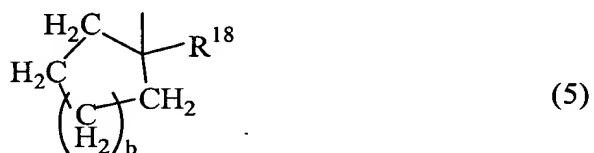
R¹⁴ is a monovalent hydrocarbon group of 1 to 18 carbon atoms which optionally has a hetero atom and optionally has one or more hydrogen atoms replaced by hydroxyl, alkoxy, oxo, amino or alkylamino groups,

alternatively, a pair of R¹² and R¹³, a pair of R¹² and R¹⁴, or a pair of R¹³ and R¹⁴, taken together, form a ring in which the pair together is a straight or branched alkylene group of 1 to 18 carbon atoms,

R⁴ is an acid labile group, R⁵ is methyl or ethyl, Z is a straight, branched or cyclic alkylene group of 1 to 10 carbon atoms, x is 0 or a positive integer, y is a positive integer, satisfying $x+y \leq 5$, m is 0 or a positive integer, n is a positive integer, satisfying $m+n \leq 5$, q is a positive number, p, r and s each are 0 or a positive number, satisfying $p+q+r+s = 1$,



wherein R^6 , R^7 and R^8 each are hydrogen or methyl, R^9 is methyl or ethyl, E is a straight, branched or cyclic alkylene group of 1 to 10 carbon atoms, R^{10} is a straight, branched or cyclic alkyl group of 1 to 20 carbon atoms, which may contain an oxygen or sulfur atom, R^{11} is a tertiary alkyl group selected from a group of the formulae (5) or (6):



wherein, R^{18} is a methyl, ethyl, isopropyl, cyclohexyl, cyclopentyl, vinyl, acetyl, phenyl or cyano group, and b is an integer of 0 to 3, and



63 wherein, R¹⁹ is an isopropyl, cyclohexyl, cyclopentyl, vinyl, acetyl, phenyl or cyano group, and

k is 0 or a positive integer of up to 5, t and w each are a positive number, u and v each are 0 or a positive number, either one of u and v is not equal to 0, satisfying t+u+v+w = 1.

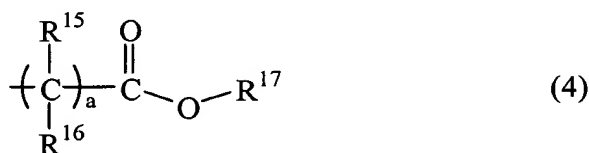
13. (Amended) The composition of claim 9, wherein in formula (1), the acid labile group R⁴ is selected from the group consisting of:

c4 branched or cyclic, tertiary alkyl groups with 4 to 20 carbon atoms;

trialkylsilyl groups whose alkyl groups each have 1 to 6 carbon atoms;

oxoalkyl groups of 4 to 20 carbon atoms; and,

groups of the following formulae (3) and (4):



wherein,

R¹² and R¹³ are independently hydrogen or straight, branched or cyclic alkyl groups of 1 to 18 carbon atoms,

R¹⁴ is a monovalent hydrocarbon group of 1 to 18 carbon atoms, which may have a hetero atom and in which some hydrogen atoms are replaced by hydroxyl, alkoxy, oxo, amino or alkylamino groups,

C4
alternatively, a pair of R^{12} and R^{13} , a pair of R^{12} and R^{14} , or a pair of R^{13} and R^{14} , taken together, may form a ring, in which the pair is a straight or branched alkylene group of 1 to 18 carbon atoms,

R^{15} and R^{16} independently have the same definition as R^{12} and R^{13} ,

R^{17} is a straight, branched or cyclic alkyl group of 4 to 40 carbon atoms, a trialkylsilyl group whose alkyl groups each have 1 to 6 carbon atoms, or oxoalkyl group of 4 to 20 carbon atoms, and

the letter a is an integer of 0 to 6.
